Supplementary file 4: (A) The quality status of studies based on JBI critical appraisal checklist for studies reporting prevalence data

Studies	Appropriate sampling frame?	Appropriate sampling?	Adequate sample size?	Detail setting description?	Analysis with sufficient coverage?	Valid method to identify the condition?	Reliable measurement?	Appropriate statistical analysis?	Adequate response rate?	Total, out of 9
Kouame et al	Yes	N/A	yes	yes	Yes	Yes	UC	Yes	N/A	7
Elawady et al	Yes	Yes	Yes	Yes	Yes	UC	UC	Yes	UC	6
Birhanu et al	Yes	Yes	Yes	Yes	Yes	UC	UC	Yes	UC	4
Gedamu et al	Yes	N/A	Yes	Yes	Yes	Yes	UC	Yes	N/A	8
Geneti et al	Yes	N/A	Yes	Yes	Yes	Yes	Yes	Yes	N/A	9
Mekonen et al	Yes	N/A	Yes	Yes	Yes	Yes	UC	Yes	N/A	8
Mekonnen et al	Yes	N/A	Yes	Yes	Yes	Yes	Uc	Yes	N/A	8
Sileshi et al	Yes	N/A	Yes	Yes	Yes	Yes	Yes	Yes	N/A	9
Getachew et al	Yes	N/A	Yes	Yes	Yes	Yes	UC	Yes	N/A	8
Adane et al	Yes	N/A	Yes	No	Yes	Yes	No	Yes	N/A	7
Mombo et al	Yes	N/A	Yes	No	Yes	UC	No	Yes	N/A	6
Wgathu et al	Yes	Yes	Yes	Yes	Yes	Yes	UC	UC	UC	4
Agot et al	Yes	N/A	Yes	Yes	Yes	Yes	UC	Yes	N/A	8
Singh et al	Yes	N/A	Yes	Yes	No	UC	Yes	Yes	N/A	7
Ajao et al	Yes	N/A	Yes	Yes	Yes	Yes	Yes	Yes	N/A	9
Anyanwu et al	Yes	N/A	Yes	No	Yes	Yes	UC	Yes	N/A	7
Bakare et al	Yes	N/A	Yes	No	Yes	Yes	UC	Yes	N/A	7
Chukwubuike et al	Yes	N/A	Yes	Yes	Yes	Yes	Yes	Yes	N/A	9
Ekanem et al	Yes	N/A	Yes	No	Yes	UC	UC	Yes	N/A	6
Obu et al	Yes	N/A	Yes	Yes	Yes	Yes	Yes	Yes	N/A	9
Oluwafemi et al	Yes	N/A	Yes	Yes	Yes	Yes	UC	Yes	N/A	8
Onankpa et al	Yes	N/A	Yes	Yes	Yes	UC	UC	Yes	N/A	7
MAN et al	Yes	N/A	Yes	Yes	Yes	Yes	UC	Yes	N/A	8
Venter et al	Yes	N/A	Yes	Yes	Yes	Yes	UC	Yes	N/A	8
Delport et al	Yes	N/A	Yes	Yes	Yes	Yes	Yes	Yes	N/A	9
Saib et al	Yes	N/A	Yes	Yes	Yes	Yes	Yes	Yes	N/A	9
Wwanja et al	Yes	N/A	Yes	Yes	Yes	Yes	Yes	UC	N/A	8

Supplementary file 4: (B) The quality status of studies based on JBI critical appraisal checklist for studies reporting case control studies.

Studies	Were the group comparable?	Were cases and controls matched?	Were the same criteria for identification	Was exposure measured in a standard, valid and reliable way?	Was exposure measured in the same way?	Were confounding factors identified?	Were strategies to deal the confounders stated?	Were outcomes assessed in a standard, valid and reliable way?	Was the exposure period of interest long enough	Was appropriate statistical analysis used?	Total out of 10
Jemal et al	Yes	No	Yes	UC	Yes	Yes	Yes	Yes	UC	Yes	7
Mekonnen et al	Yes	No	Yes	UC	Yes	Yes	Yes	Yes	UC	Yes	7
Tsehay et al	Yes	NO	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	8
Abebe et al	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	UC	Yes	8
Kishimba et al	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	9